



Table 25. Food Industry Energy Consumption

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-2025
Value of Shipments (billion 1996 dollars)	567.54	577.45	587.32	596.02	605.47	614.49	624.73	635.56	646.89	659.66	1.6%
Energy Consumption (trillion Btu)											
Residual Oil	13.8	13.9	13.9	13.9	14.1	14.6	14.6	14.6	14.8	15.0	1.3%
Distillate Oil	17.7	17.8	17.8	17.8	18.1	18.6	18.7	18.8	19.0	19.2	1.3%
Liquefied Petroleum Gas	6.1	6.1	6.2	6.2	6.3	6.4	6.4	6.5	6.6	6.6	1.1%
Other Petroleum 2/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Petroleum Subtotal	37.6	37.8	37.8	37.9	38.4	39.5	39.7	39.9	40.4	40.8	1.3%
Natural Gas	657.1	667.8	679.4	689.7	700.3	709.3	721.3	734.1	747.3	762.4	1.2%
Steam Coal	158.3	158.3	158.3	158.4	158.4	158.4	158.5	158.6	158.6	158.7	0.0%
Renewables	183.1	187.0	190.8	194.3	198.0	201.5	205.4	209.5	213.7	218.4	1.9%
Purchased Electricity	259.9	263.4	266.6	269.4	272.5	275.7	279.2	282.9	286.9	291.4	1.2%
Total	1296.0	1314.3	1333.0	1349.6	1367.5	1384.4	1404.0	1424.9	1446.8	1471.7	1.2%
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)											
Residual Oil	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-0.2%
Distillate Oil	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.2%
Liquefied Petroleum Gas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.5%
Other Petroleum 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Petroleum Subtotal	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-0.3%
Natural Gas	1.16	1.16	1.16	1.16	1.16	1.15	1.15	1.15	1.16	1.16	-0.4%
Steam Coal	0.28	0.27	0.27	0.27	0.26	0.26	0.25	0.25	0.25	0.24	-1.6%
Renewables	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.3%
Purchased Electricity	0.46	0.46	0.45	0.45	0.45	0.45	0.45	0.45	0.44	0.44	-0.4%
Total	2.28	2.28	2.27	2.26	2.26	2.25	2.25	2.24	2.24	2.23	-0.4%
Carbon Dioxide Emissions 3/ (million metric tons)	99.6	100.8	101.9	102.9	104.1	105.4	107.0	108.7	110.3	112.1	1.0%
Combined Heat and Power 4/ Generating Capacity (gigawatts)											
Petroleum	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	N/A
Natural Gas	1.22	1.27	1.33	1.40	1.46	1.53	1.59	1.66	1.73	1.81	5.5%
Coal	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	N/A
Other 5/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	N/A
Total	2.15	2.20	2.26	2.33	2.40	2.46	2.53	2.59	2.67	2.74	2.8%
Net Generation (billion kilowatthours)											
Petroleum	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	N/A
Natural Gas	7.13	7.52	7.97	8.43	8.93	9.39	9.86	10.34	10.87	11.43	7.6%
Coal	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	N/A
Other 5/	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	N/A
Total	11.15	11.54	11.99	12.46	12.95	13.41	13.88	14.36	14.89	15.45	4.1%
Disposition											
Sales to the Grid	3.30	3.53	3.80	4.08	4.37	4.65	4.93	5.22	5.54	5.87	13.8%
Generation for Own Use	7.86	8.01	8.19	8.38	8.58	8.76	8.95	9.14	9.35	9.58	2.2%
Thermal Output (trillion Btu)	124.2	125.3	126.6	127.9	129.2	130.5	131.7	132.9	134.3	135.6	1.0%
Energy Input (trillion Btu)											
Petroleum	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	N/A
Natural Gas	99.8	103.2	107.0	111.0	115.3	119.1	123.1	127.1	131.5	136.0	4.1%
Coal	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	N/A
Other 5/	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	N/A
Total	247.4	250.8	254.6	258.6	262.9	266.7	270.7	274.7	279.1	283.6	1.5%
Efficiency 6/	0.656	0.657	0.658	0.659	0.660	0.661	0.661	0.662	0.663	0.664	0.2%
Power-to-Heat Ratio 7/	0.306	0.314	0.323	0.332	0.342	0.351	0.360	0.369	0.378	0.389	3.1%